

# PROF. HUSSEIN S. A. GOLICHA, BEd, Msc, PhD. (CURRICULUM VITAE)

DEPUTY VICE-CHANCELLOR (ACADEMIC & STUDENT'S AFFAIRS)  
MASINDE MULIRO UNIVERSITY,  
P.O. BOX 190-50100, KAKAMEGA , KENYA

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## PERSONAL DETAILS

<i>MAIN NAME</i>	GOLICHA <i>other names</i> HUSSEIN SHEIKH ADAMS
<i>DATE OF BIRTH</i>	19 <sup>TH</sup> MAY 1959
<i>PLACE OF BIRTH</i>	MARSABIT TOWN, MARSABIT COUNTY, KENYA,
<i>MARITAL STATUS</i>	MARRIED (WITH 4 CHILDREN)
<i>NATIONALITY</i>	KENYAN,
<i>LANGUAGES SPOKEN</i>	BORAN, KISWAHILI and ENGLISH
<i>RELIGION</i>	ISLAM

## CAREER OBJECTIVE

To be in a position where hard work, commitment and integrity will result in additional value to the services provided and realization of the organization's goals

## EDUCATIONAL BACKGROUND

[1995 – 1999]	EGERTON UNIVERSITY, P.O. BOX 536, NJORO, KENYA: <b>PhD IN PHYSICS, 1999</b> SPECIALIZING IN CHEMICAL PHYSICS
[1987 – 1991]	KENYATTA UNIVERSITY, PO BOX 43844 NAIROBI, KENYA: <b>MSc PHYSICS 1991</b> SPECIALIZING IN POLYMER PHYSICS
[1980-1984]	UNIVERSITY OF NAIROBI, NAIROBI, KENYA <b>BEd. Sc. 1984, 2<sup>ND</sup> CLASS Hon. Upper div</b> PHYSICS/MATHS

## **WORK EXPERIENCE**

- [OCT 2021 – TO DATE] DEPUTY VICE CHANCELLOR ACADEMIC & STUDENTS AFFAIRS, MASINDE MULIRO UNIVERSITY OF SCIENCE AND TECHNOLOGY
- [OCT 2017-SEPT 2021] AG. DEPUTY VICE CHANCELLOR ACADEMIC & STUDENT AFFAIRS, GARISSA UNIVERSITY
- [MAY 2017-OCT 2017] DEPUTY PRINCIPAL ACADEMIC & STUDENT AFFAIRS, GARISSA UNIVERSITY COLLEGE
- [2014 to 2017] ASSOCIATE PROFESSOR & DEAN SCHOOL OF BIOLOGICAL & PHYSICAL SCIENCES AT GARISSA UNIVERSITY COLLEGE
- [2015-2016] ACTING DEPUTY PRINCIPAL, FINANCE, ADMINISTRATION AND PLANNING, GARISSA UNIVERSITY
- [2009 -2014] EGERTON UNIVERSITY, **SENIOR LECTURER**
- [2002-2006] EGERTON UNIVERSITY, *Lecturer & Chairman of Dept.*
- [1993- 2002] EGERTON UNIVERSITY, **LECTURER.**  
Teaching Physics to BSc. and BEd science students and MSc students
- [1991 – 1993] EGERTON UNIVERSITY **ASSISTANT LECTURER** (Physics dept)
- [1990-1991] TEACHERS SERVICE COMMISSION, TEACHING PHYSICS AT KENYA SCIENCE TEACHERS’ COLLEGE
- [1984-1991] TEACHERS SERVICE COMMISSION, GRADUATE TEACHER, TEACHING PHYSICS/MATHEMATICS IN SECONDARY SCHOOL

## **ACADEMIC PUBLICATIONS:**

### **(a) BOOKS:**

- 5 **“THE TONGUE BETWEEN THE TEETH”**, An English language novel for general readership  
Publisher: Egerton University Press, Year 2010, **ISBN 9966-05-338-7**
4. **SECONDARY SCHOOL PHYSICS** Book **FOUR**-pupil’s text  
For Secondary School Form 4, Physics  
Publisher: **University of Nairobi Press, 2009, ISBN 9966 846 91 3**
3. **SECONDARY LEVEL PHYSICS** Book One, for Secondary School form One physics. Publisher: Media Document Supplies, 1999, **ISBN-9966-9997-1-X**
- 2 **PhD. THESIS; EGERTON UNIVERSITY, KENYA, 1999**

TITLE: *“CHIRALITY OBSERVATION AND MOLECULAR ORDER IN SUBSTITUTED SMECTIC HOMOLOGUES”*

**1 MSc. THESIS; KENYATTA UNIVERSITY, KENYA, 1990**

*TITLE: "MECHANICAL PROPERTIES OF AGED AND UNAGED POLYBUTADIENE-NOVOLAK BLENDS AS A FUNCTION OF RUBBER CONCENTRATION.*

**(b) Journal Articles**

14 HUSSEIN S. A. GOLICHA, MOHAMED H. OMAR, NELSON M. MBITHI

Optical Techniques in the Determination of Pitch Lengths in the Cholesteric and Chiral Smectic C Phases

Journal of material sciences and engineering, vol 10:3, 2021, pages 1-5

13 ABDILATIF AHMED HARET JULIUS M. HUHO, AHMED M. MOHAMED, HUSSEIN SHEIKH ADAMS GOLICHA

Evaluation Of The Impact Of County Climate Change Fund On Community Resilience To Climate Change In Garissa County, Kenya

American Journal of Climatic Studies ISSN 2520-0471 (Online) Vol.2, Issue 1, pp 38-59, 2021

12 RASHID. W. MUSA, AHMED MOHAMED, HUSSEIN. S.A. GOLICHA, MOHAMED. H. OMAR

Propagation Abilities of an Overused Clerodendrum Plant Species from Garissa and Tana-River Counties

Lukenya University Multidisciplinary Journal, Vol 1, (2020) P 197-204

11 HUSSEIN S. A. GOLICHA AND SAMUEL KATIA

Determination of degree of compatibility of Polybutadiene –Novolak Blends  
Journal of Material Science and Engineering, vol 9.3, (2020), page 1-3

10 MUTHUI, Z.W, KAMWERU, P.K., NDERITU, F.G, HUSSEIN, S.A. GOLICHA, NGUMBU, R. AND NJOROGE, G.N

Polylactic acid ( PLA) viscoelastic properties and their degradation compared with those of polyethylene

**International journal of physical sciences, vol 10(21), Nov, 2015 pp 568-575**

9. MUTHUI Z. W<sup>1</sup>, NDERITU F. G<sup>2</sup>, KAMWERU P. K<sup>3</sup>, HUSSEIN S A GOLICHA<sup>4</sup> & NGUMBU R<sup>5</sup>

*Determination of the glass transition temperature and modulus of pla films using*

*dynamic mechanical analysis at 50<sup>0</sup> C and amplitude of 10m*

**Asian Journal of Natural & Applied Sciences Vol. 3(1) March, 2014 Pp 12-19**

- 8 AMOLLO, T.A., KIRUI, M.S.K., **GOLICHA, H.S.A.**, KEMEI, S.K., OMWOYO, J.O. *Thermoelectric power generated from computer waste heat*

**Journal of Energy Technologies and Policy, Volume 3 (No 6) 2013, Pp 50-55**

- 7 AMOLLO, T.A., KIRUI, M.S.K., **GOLICHA, H.S.A.**, KEMEI, S.K., NYAKAN, P.O. *Heat dissipation in a computer*

**Journal of Energy Technologies and Policy, Volume 3 (No 6) 2013, Pp 43-49**

- 6 MUTHUI Z. W., NDERITU F.G. , **HUSSEIN S. A. GOLICHA**, NGUMBU R, KAMWERU, P.K.

*Determination of the density and damping properties of Polyethylene (PE) and Polylactic (PLA) films using DMA*

**International Journal of Innovative Research and Studies, Volume 2 issue 8, 2013, Pp 234-246**

- 5 **HUSSEIN S A GOLICHA**, MWANIKI S. NGARI' AND H-G KUBALL

*THE EFFECTS OF ROTATING THE ORIENTAION AXIS OF CHIRAL AMINOANTHRAQUINONE ON ITS HELICAL TWISTING POWER*

**JOURNAL OF THE KENYA CHEMICAL SOCIETY, VOLUME 4 No. 2, 2007, Pp 23-31**

- 4 J. CHANGEIYWO, J.K. KIGO, M.I.O. OKERE AND **H.S.A. GOLICHA**

*EFFECT OF USING WATER FLOW ADVANCE ORGANIZER ON SECONDARY SCHOOL PHYSICS STUDENTS' CONCEPTUALIZATION OF ELECTRIC CURRENT FLOW: A CASE OF SELECTED SCHOOLS OF NAKURU DISTRICT*

**JOURNAL OF TECHNOLOGY AND EDUCATION IN NIGERIA VOL. II, No 2, 2007, PP 20 –32**

- 3 **GOLICHA H.S.A**, SUBRAMHANYAM H.S, KAGWANJA, S.M AND CHANGEIYWO J.M

*DETERMINITION OF OPTICAL ANISOTROPY AND COEFFICIENT OF VOLUME EXPANSION OF THE SMECTIC A HOMOLOGUES OF DI-N- ALKY 4-4- AZOXY-A-METHYLCINNAMATE*

**JOURNAL OF THE KENYA CHEMICAL SOCIETY, VOL. 3 No. 1, 2006. Pp 39-48**

- 2 THEURI, J.G, **GOLICHA, H.S.A**, NGARI, M.S. , THAIRU, H.M. AND SCHRODER, K.H

*A COMPARATIVE STUDY OF THE SPECIATION OF LEAD AND COPPER IN AN INLAND SALINE LAKE BY DIFFERENTIAL PULSE POLAROGRAPHY*

**EGERTON JOURNAL - SCIENCE AND TECHNOLOGY  
SERIES VOL. VI, No. 1, 2006, Pp 48-67**

1. O.K MUIVA, *H.S.A. GOLICHA* AND M.S. NGARI

*STUDY OF THE EFFECTS OF ACIDS ON THE ABSORPTION SIGNALS OF LEAD, CADMIUM, COPPER AND ZINC BY ATOMIC ABSORPTION SPECTROPHOTOMETRY*

**INTERNATIONAL JOURNAL OF BIOCHEMIPHYSICS, 2004**

**POST GRADUATE SUPERVISION**

- 1 MSc PHYSICS  
TITLE: The determination and comparison of the mechanical properties of Polyethylene, polylactic acid (PLA) and poly (3-hydroxybutyrate 3- hydroxyhexanoate (PHBH) plastics using dynamic mechanical analyser  
STATUS: **Graduated, at Egerton University, Dec 2010**
- 2 MSc  
TITLE *Investigation of usable thermoelectric voltage generated by computer waste heat*  
STATUS: **Graduated at Egerton University, May 2012**
- 3 MSc  
TITLE: Experimental investigation on the performance of Solar Air Heater with polyethylene top cover and sand layer as the absorber  
STATUS: **Graduated at Egerton University, July 2012**
- 4 MSc.  
TITLE: Traditional knowledge , medicinal properties and propagation of Clerodendrum species in Garissa and Tana River Counties of Kenya  
STATUS: Ggraduate at Garissa University on 10th March 2021
- 5 MSc.  
TITLE: “Evaluation of the Impact of County Climate change Fund on Community Resilience to Climate Change in Garissa County, Kenya”.  
STATUS: Graduated at Garissa University on 10th March 2021

## ACADEMIC SEMINARS/ WORKSHOPS

DATE	SEMINAR/WORSHOP	WHERE	PAPER
2018 12 <sup>TH</sup> July,	Chemical Safety and Security	Crown Plaza Hotel Nairobi, Kenya	Certificate of attendance
2017 28 <sup>th</sup> Feb – 1 <sup>st</sup> March.	Electronic library resources	Garissa University College	Certificate of attendance
2016 18 <sup>th</sup> -19 <sup>th</sup> May	EACC conference	Garissa University College	Certificate of participation
2015 12 <sup>th</sup> -14 <sup>th</sup> Nov	Mwongozo induction programme for Board of State Corporation	Mombasa- Kenya	Certificate of participation
2013 8 -13 <sup>th</sup> Sept	ALC Workshop on lasers and Research	Egerton University Njoro	Member, Organising Committee
2008 16-18 Sept	3 <sup>rd</sup> Annual Research week and International conference	Egerton University Njoro	Estimation of Optical anisotropy of ZLI 1695
2006 18-20sept, 2000	The Kenya Chemical Society, Regional Workshop 5 <sup>th</sup> regional conference on material science and device technology	Egerton University University of Nairobi	Different methods of determining helical pitch in helical twisting power measurements New methods of measuring helical pitch in htp measurement
7 <sup>th</sup> April 1999	Departmental Seminar	Physics Department, Egerton University	Chirality observations and molecular order in substituted smectic homologues
10 <sup>th</sup> May 1995	Departmental Seminar	Physics Department, Egerton University	Optical IR and proton magnetic resonance investigations on some cinnamates
5 <sup>th</sup> may 1994	Departmental seminar	Physics Department, Egerton University	Improvement in the collection and storage of solar energy for use in rural areas of Kenya
12 <sup>th</sup> April 1992	Departmental seminar	Physics Department, Egerton University	Preparation of polymeric Ferro magnets

### RESEARCH VISIT:

DATE: April 1997 to Dec 1997  
PLACE: University of Kaiserslautern, Federal Republic of Germany

### RESEARCH WORK:

Investigations on Chirality observations using Helical Twisting Power and Circular Dichroism techniques, with liquid crystals as solvents, under Prof. H G Kuball at the institute of physical chemistry, University of Kaiserslautern

### CURRENT RESEARCH INTEREST

Chirality studies and material sciences

## **TEACHING SUBJECTS:**

### **PHYSICS:**

**Undergraduate- ALL areas,**

**Postgraduate: MSc Physics and PhD**

Solid state physics- Molecular spectroscopy and lasers, Statistical Mechanics, Mathematical physics

### **COMPUTER SCIENCE:**

Introduction to Computer Applications, Computer Architecture, Networking, Digital electronics

## **DEVELOPMENT ACTIVITIES**

### **(a) SEMINARS ATTENDED/RESEARCH WORK AND / PAPERS PRESENTED LAST 10 YEARS**

- NOV, 2002      Research into "**CAUSES OF POVERTY AMONG THE WASO BORAN OF ISIOLO, KENYA - The effects of DAABA**  
A CONSULTANCY work for **ACTION AID KENYA, NORTHERN REGION**
- 6<sup>th</sup> -7- 2002      Presented a paper entitled "CAREERS IN ENGINEERING AND IT" to Egerton University Muslim Students Rally held at Menengai High School Nakuru.
- MARCH 2002      **END TERM EVALUATION** of the AKOSI COMMUNITY BASED HEALTH CARE (CBHC) programme  
A CONSULTANCY work for **MS- KENYA.**
- 21-28 Sept 2003      **"Writer's w/shop** for development of distance learning materials (**Physics modules**)", sponsored by the University of South Africa (UNISA) and Egerton University, at Mombasa Kenya
- Feb 2002      **Member (Science section) curriculum design** for Bachelor of Education (primary option), for Egerton University, at Kericho Kenya
- Feb – March 2002      **Member (Physics section) curriculum design** for Bachelor of Education and Bachelor of Science degree programmes for Kabarak University
- SEPT. 2001      **"MID TERM EVALUATION"** of Tharaka Development Area-  
A Consultancy work for **ACTION AID KENYA - EASTERN REGION**  
OCT. 2001 **END TERM EVALUATION** of the KIBWEZI programme  
A CONSULTANCY work for **ACTION AID KENYA, EASTERN REGION**
- 18.2.2001      Islamic talk at Egerton University, Kenya  
Title of Paper: **DEATH AND THE HEREAFTER IN ISLAM**
- 22.1.2000      Launching of MELI, (a consortium of 16 Community Based Organisations at Isiolo, Kenya). Presented paper entitled "LETS WAKE UP IT IS DAWN",

11.3.2000

Islamic seminar at Egerton University. Presented paper;  
Title of Paper: **ISLAM AND GENDRE EQUALITY**

## **MEMBERSHIP TO PROFESSIONAL ORGANISATIONS**

- 1 Member, *Kenya Kenya Chemical Society*
- 2 Member, *Educational Management Society of Kenya*
- 3 Life Member, *Kenya Red Cross Society*

## **MEMBERSHIP TO DEVELOPMENT BASED ORGANISATIONS**

### **(i) SCHOOL BOARDS**

6. **CHAIRMAN COUNTY EDUCATION BOARD (CEB), NAKURU, DEC 2013 TO 2017**
5. **NAKURU DISTRICT EDUCATION BOARD (DEB) 2010 TO 2013**
4. **BOARD OF GOVERNORS OF MENENGAI HIGH SCHOOL, NAKURU, MAY, 2006 TO 2013**
3. **BOARD OF GOVERNORS OF MOI FORCES ACADEMY LANET, NAKURU JAN, 2004 TO 2012**
2. **PATRON - EGERTON UNIVERSITY, NAKURU TOWN CAMPUS MUSLIM STUDENTS' UNION, 2008 TO DATE**
1. **CHAIRMAN, KILIMO PRIMARY SCHOOL MANAGEMENT COMMITTEE, NJORO, 2000 –2003**

### **(ii) OTHERS**

6. **VICE CHAIR, BOARD OF DIRECTORS; KENYA NATIONAL MUSEUM AND HERITAGE, AUGUST 2014 – JULY 2017**
5. **PATRON - MOVE TO EMPOWER LOCAL INITIATIVES (MELI), a consortium of 16 community-based organizations from all over Isiolo district of Kenya, 1999 to 2004**
4. **CHAIRMAN, PASTROLIST SHELTER ORGANISATION, a non-Profit organization dealing with **Peace Building, Conflict Resolution and Post conflict Reconstructions** 2003 - 2004.**
3. **PATRON - EGERTON UNIVERSITY MUSLIM STUDENTS UNION 2003 TO JAN 2006**
2. **PATRON - MARSABIT ISIOLO AND MOYALE DISTRICTS EGERTON UNIVERSITY STUDENTS' UNION**

20022005

1. **MANAGING CONSULTANT**, *Jidda Consultancy Services*, Nakuru

**8. REFERENCES**

- (a) DR. ISAACK MOHEMED NOOR  
CHIEF EXECIATIVE OFFICER  
KENYA LEATHER DEVELOPMENT COUNCIL  
E-MAIL: [imnoor60@gmail.com](mailto:imnoor60@gmail.com),  
TEL. 0722310754
- (b) DR IDDI JUMA GARISSA UNIVERSITY  
E-MAIL: [iddijuma@gau.ac.ke](mailto:iddijuma@gau.ac.ke)  
Tel: +254722864343
- (c) AMB. DR HUKKA WARIO  
CHAIRMAN, EGERTON UNIVERSITY COUNCIL  
E mail: [hukkawario@gmail.com](mailto:hukkawario@gmail.com)  
Tel: +254720225598

**SIGNITURE**



**DATE:**

**14th January 2022**

